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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/659,964	09/10/2003	Hiroshi Sakakima	YAMAP0721USB	5878	
43076	7590 08/08/2005		EXAMINER		
MARK D. SARALINO (GENERAL)			DINH, TAN X		
RENNER, OTTO, BOISELLE & SKLAR, LLP 1621 EUCLID AVENUE, NINETEENTH FLOOR			ART UNIT	PAPER NUMBER	
CLEVELAND, OH 44115-2191			2653		
			DATE MAILED: 08/08/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemei	ntal
Notice of Allov	vability

Application No.	Applicant(s)
10/659,964	SAKAKIMA ET AL.
Examiner	Art Unit
TAN X. DINH	2653

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	TAN X. DINH	2653	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not includ will be mailed in due	ed course. THIS
1. This communication is responsive to 7/14/2005.			
2. \(\times \) The allowed claim(s) is/are 60-64 (renumber as 1-5).			
3. The drawings filed on are accepted by the Examiner	r.		
 4.	der 35 U.S.C. § 119(a)-(d) or (f).		•
 ☐ Certified copies of the priority documents have ☑ Certified copies of the priority documents have 		V602 072	
3. ☐ Copies of the certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		tion from the
International Bureau (PCT Rule 17.2(a)).	cuments have been received in this i	national stage applica	tion from the
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Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of ENT of this application.	complying with the re	quirements
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(a) ☐ including changes required by the Notice of Draftspers		948) attached	
1) hereto or 2) to Paper No./Mail Date		•	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the O	ffice action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawing he header according to 37 CFR 1.121(c	igs in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. I AL MATERIAL.	Note the
Attachment(s)	_		
1. Notice of References Cited (PTO-892)	5. Notice of Informal Pa		O-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 6. ☐ Interview Summary Paper No./Mail Date 	(PTO-413), e	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0) Paper No./Mail Date 	8), 7. Examiner's Amendr	nent/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	wance
of Biological Material	9. Other		•
•		TAN Xuan DINH Primary Examiner Art Unit: 2653	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) Art Unit: 2653

- 1) The amendment filed 7/14/2005 is acknowledged. Claims 1-59 have been canceled. New claim 64 has been added.
 - 2) Claims 60-64 are allowed.

A recording/reproducing apparatus comprising a first magnetic head for recording a signal onto a recording medium and a second magnetic head for reproducing the signal recorded on the recording medium wherein the first magnetic head comprises a first substrate, a first magnetic head core provided on the first substrate, having a first magnetic gap, a coil provided in such a manner that at least a portion of the first magnetic head core is surrounded by the coil, wherein the first magnetic head core is provided in such a manner that a thickness direction of the first magnetic head core around the first magnetic gap is substantially the same as a track width direction of the recording medium and the second magnetic head comprises a second substrate, a second magnetic head core provided on the second substrate having a second magnetic gap a first magneto-resistance device provided on the second magnetic head core, wherein the first magneto-resistance device comprises an insulating layer provided on the second magnetic head core and a pinned layer provided on a side opposite to the second magnetic, head core of the insulating layer, wherein a magnetization direction is not easily rotated in the pinned layer, wherein the

Art Unit: 2653

second magnetic head core comprises a soft magnetic layer provided at a position corresponding to the second insulating layer and the soft magnetic layer functions as a free layer of the first magneto-resistance device, wherein a magnetization direction is easily rotated in the free layer, as recited in the independent claims, are not found or suggested in the prior art of record.

3) Any inquiry concerning this communication or earlier communications from the examiner should be directed to Primary Examiner TAN X. DINH whose telephone number is (571)273-8300. The examiner can normally be reached on Monday-Friday from 8:00AM to 5:00PM.

The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

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TAN DINH
PRIMARY EXAMINER

August 4, 2005